

MEMORANDUM

TO: All Physicians

FROM: Sylva Bem, M.D., Director of Immunology
Theresa Haven, Supervisor, Immunology Laboratory

DATE: June 4, 2018

RE: Tissue Transglutaminase IgG Antibody Levels (TTGG)

CB

The Immunology Laboratory would like to make all physicians aware that there will be a change to the algorithm currently being used to determine when Tissue Transglutaminase IgG antibody levels (TTGG) will be performed. Since going live with the Celiac Testing in 2012, the Tissue Transglutaminase IgG antibody (TTGG) would only be performed when the patient's serum IgA levels measured below the technical limit of the assay which is currently 5 mg/dL.

A review of current literature and the investigation of other reference laboratory algorithms have shown that a change needs to be made to our current algorithm. A new trigger has been established to be when the serum IgG level is less than age matched reference values.

The serum IgG reference ranges are listed below for your information. These are established reference values determined by the CRM 470 Protein Standardization in 2013 and currently being used by the Chemistry Laboratory at Upstate Medical University.

The change will go into effect beginning June 18, 2018. If you have any concerns or comments, please feel free to contact the Director of Immunology, Dr. Sylva Bem, at 315-464-6715 or by email at bems@upstate.edu.

Adults	70-400 mg/dL
Children and Juveniles	
0-1 year	0-83 mg/dL
1-3 years	20-100 mg/dL
4-6 years	27-195 mg/dL
7-9 years	34-305 mg/dL
10-11 years	53-204 mg/dL
12-13 years	58-358 mg/dL
14-15 years	47-249 mg/dL
16-19 years	61-348 mg/dL

Sylva Bem, M.D.
6/6/18